

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

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--1-3. (Cancelled)

--4. (Currently Amended) A battery charging/discharging apparatus for determining [[a]] an actual remaining capacity of a battery, comprising:

detecting means for detecting a cell voltage;

~~reading~~ calculating means for ~~reading~~ calculating a remaining capacity value based on the cell voltage detected by said detecting means;

a memory for storing the remaining capacity value calculated by said calculating means;

control means for causing said calculating means to subsequently calculate a current remaining capacity value based on a current cell voltage detected by said detecting means;

comparing means for comparing the [[a]] remaining capacity value read [[by]] from said ~~reading means~~ memory with ~~a currently stored~~ the current remaining capacity value; and

updating means for periodically updating the ~~currently stored~~ remaining capacity value stored in the memory based on a result of said comparing means.

--5. (Previously Presented) The battery charging/discharging apparatus according to Claim 4, further comprising setting means for setting the remaining capacity value based on the cell voltage.

--6. (Currently Amended) A battery charging/discharging method of a battery charging/discharging apparatus for determining [[a]] an actual remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

detecting a cell voltage;

~~reading~~ calculating a remaining capacity value based on the cell voltage detected in the detecting step;

storing in a memory the remaining capacity value calculated in said step of calculating;

subsequently calculating a current remaining capacity value based on a current cell voltage detected in said step of detecting;

comparing the remaining capacity value read ~~in the reading step~~ from the memory with ~~a currently stored~~ the current remaining capacity value; and

periodically updating the ~~currently stored~~ remaining capacity value stored in the memory based on a result in the comparing step.

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